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| United States Environmental Protection Agency Washington, DC 20460 | | | | | | Work Assignment Number: ● Original 0-2 ○ Amendment | | | |
| Work Assignment | | | | | | | | | |
| Contract Number: EP-C-09-027 | | | Contract Period Base: X 4/1/09-3/31/10 Option Period No. | | | SF Site Name: | | | |
| Title of Work Assignment: Aircraft Engine Fine PM Support | | | | | | | | | |
| Suggested Source: Arcadis | | | | | | Specify Section & Paragraph of Contract SOW: 1.8; 4.0; 7.0 | | | |
| Purpose: <input checked="" type="radio"/> Work Assignment Initiation <input type="radio"/> Work Assignment Close-Out <input type="radio"/> Work Assignment Amendment <input type="radio"/> Incremental Funding <input type="radio"/> Work Plan Approval | | | | | | Period of Performance From: To: 4/1/09- 3/31/10 | | | |
| Comments: | | | | | | QA Category (check one) <input type="radio"/> I Enforcement <input type="radio"/> II Standard Setting <input checked="" type="radio"/> III Technology Development <input type="radio"/> IV Proof of Concept <input type="radio"/> N/A | | | |
| | | | | | | | | | |
| <i>Note: To report additional accounting and appropriations data use EPA Form 1900-69A.</i> | | | | | | | | | |
| SFO 22 <input type="checkbox"/> Superfund (Max 2) | | | Accounting and Appropriations Data | | | | | | <input checked="" type="checkbox"/> Non-Superfund |
| DCN (Max 6) | Budget/FYs (Max 4) | Appropriation Code (Max 6) | Budget Org/Code (Max 7) | Program Element (Max 9) | Object Class (Max 4) | Amount | Sites/Project (Max 8) | Cost Org/Code (Max 7) | |
| 1 | | | | | | | | | |
| 2 | | | | | | | | | |
| 3 | | | | | | | | | |
| 4 | | | | | | | | | |
| 5 | | | | | | | | | |
| Authorized Work Assignment Ceiling | | | | | | | | | |
| Contract Period: | | | Cost/Fee | | | LOE | | | |
| Previously Approved | | | New | | | 0 | | | |
| This Action | | | | | | 1287 | | | |
| Total | | | | | | 1287 | | | |
| Work Plan / Cost Estimate Approvals | | | | | | | | | |
| Contractor W/P Dated: | | | | | | Cost/Fee: LOE: | | | |
| Cumulative Approved: | | | | | | Cost/Fee: LOE: | | | |
| Work Assignment Manager Name: John Kinsey | | | | | | Branch / Mail Code: ECPB / E343-02 | | | |
| (Signature) (Date) 3/3/09 | | | | | | Phone Number: (919) 541-4121 | | | |
| Branch Chief Name: Richard C. Shores, Chief, ECPB | | | | | | Fax Number: 919-541-0359 | | | |
| (Signature) (Date) 3/5/09 | | | | | | Branch/Mail Code: ECPB / E343-02 | | | |
| Project Officer Name: Diane Pierce | | | | | | Phone Number: (919) 541-4983 | | | |
| (Signature) (Date) 3/5/09 | | | | | | Fax Number: 919-541-0359 | | | |
| Contracting Official Name: Renita Tyus | | | | | | Branch/Mail Code: CPAD | | | |
| (Signature) (Date) 3/31/09 | | | | | | Phone Number: 513-487-2109 | | | |
| (Signature) (Date) 3/31/09 | | | | | | Fax Number: 513-487-2109 | | | |
| Contractor Acknowledgement of Receipt and Approval of Workplan (Signature and Title) | | | | | | | Date | | |

Work shall not begin until 4/1/09.

STATEMENT OF WORK
Work Assignment No. 000001

Title: Aircraft Engine Fine PM Support

Work Assignment COR:

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National Risk Management Research Laboratory
NRMRL-APPCD, MD E343-02
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Background:

As part of research conducted under EPA Contract No. EP-C-04-023, Work Assignment (WA) 4-2, aircraft engine emissions testing was conducted as part of the NASA-sponsored Aviation Alternate Fuels EXperiment (AAFEX) at their Dryden Flight Research Center in Palmdale, CA. During AAFEX, 14 emission tests were performed and data reduction was started. The purpose of this WA is to complete the data analysis and reporting of the AAFEX data set.

Scope of Work:

The contractor shall complete the final reduction and analysis of all experimental data collected during the AAFEX test campaign. This work shall include, but is not limited to, the preparation of summary tables, graphs, and spreadsheets which are of sufficient detail for inclusion into a detailed report of the study. At the conclusion of the data analysis task, the contractor shall provide the WACOR with the raw data and final results in a form suitable for future retrieval and archiving. This shall include all spreadsheets and other calculations in electronic format as provided to the WACOR on either CD or DVD, as appropriate.

Upon completing the analysis of the experimental data, the contractor shall provide technical support during the preparation of a final report for the AAFEX campaign. This work shall include the preparation of applicable sections of the report pertaining to the calculations and data analyses performed including appropriate quality assurance/quality control procedures. The contractor shall also provide preparation and production support for the final report document. The specific format will be provided by the EPA WACOR prior to beginning work on the report. The guidelines outlined in Section 1.8 of the contract Scope of Work and the document entitled "Proposed Procedures for APPCD Reports" (attached) shall be used to the extent possible during report preparation.

Quality Assurance:

All work conducted in this WA shall follow the Quality Assurance Project Plan prepared under WA 4-2 entitled "Determination of the Fine PM Emissions from Alternate Aviation Fuels" (QTrak # 7012). A copy of this document can be provided by the ~~WFO~~ ^{WFO}, if not already available. If the scope of work has changed significantly from that described in WA 4-2, the contractor shall revise the QAPP and work involving environmental data shall not commence until it has received official approval from the EPA Quality Assurance Staff. The contractor shall comply with all requirements as delineated on the "Quality Assurance Review Form" included with this extramural action.